

Jan 4-7:20 AM

A close-up, low-angle shot of a baby's face looking up, with a blue balloon visible above. The baby has dark hair and large, dark eyes. The word "shutterstock" is overlaid in the center of the image.

↳ EARTH +  $10^{24}$  kg

comb & tissue demo

$< .1 \text{ kg}$

6,000,000,000,000,000,000,000,000

5,000,000

comb & tissue demo

centering

ELECTRIC FORCES ARE VERY MUCH BIGGER THAN GRAVITY FORCES

## Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

Reminder:

You can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

## Review:

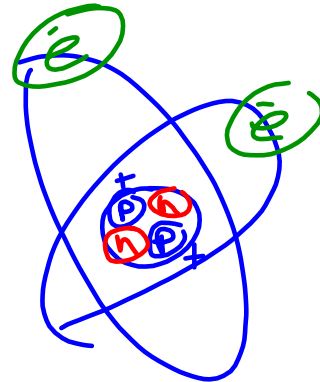
What's an **ATOM** like?→ **ELECTRICITY**

\*proton\* \*neutron\* \*electron\*  
**POSITIVE** **neutral** **NEGATIVE**

Which is in the nucleus (center)?

Which has a positive charge?

Which has a negative charge?



- 1) ATOMS ARE USUALLY NEUTRAL  
 $\# \text{ PROTONS} = \# \text{ ELECTRONS}$
  - 2) ELECTRONS ARE OUTSIDE SO THEY CAN MOVE
- "ELECTRONS ARE THE MOVEABLE BITS OF NEGATIVE CHARGE"

Jan 31-7:19 AM

Balloons like to get  
EXTRA ELECTRONS  $\Rightarrow$  NEGATIVE

Let's explore...

What do you observe with balloon?

BLACK CLOTH

WHITE PIPE :  
GLASS :

GREY PL : PUSH

WHITE PLASTIC PIECE : PULLED

MAGAZINE WITH BLACK CLOTH PUSHES

TRIBOELECTRIC

Fundamental: Opposite Charges ATTRACT,  
Like Charges REPEL!

B  
(#

Nov 15-7:20 AM

### Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. Which has a positive charge?

- A. proton
- B. neutron
- C. electron

2. Opposite charges \_\_\_\_\_. Like charges repel.

3. The \_\_\_\_\_ with \_\_\_\_\_ pushed the balloon.

Feb 1-7:52 AM